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MRDKKGPVNKRVDFLSNKLNKYSIRKFTVGTASILIGSLMYLGTQQEAEAAENNIENPTTLK
DNVQSKEVKIEEVNTNKDTAPQGVEAKSEVTSNKDTIEHEPSVKAEDISKEDTPKEVADVAE
VQPKSSVTHNAETPKVRKARSVDEGSFDITRDSKNVVESTPITIQQKEHFEGYGSVDIQKKP
TDLGVSEVTRFNVGNESNGLIGALQLKNKIDFSKDFNFKVRVANNNHQSNTTGADGWGFLFSK
GNAEEYL TNGGILGDKGLVNSGGFKIDTGYIYTSSMDKTEKQAGQGYRGYGAFVKNDSSGNS
QMVGENIDKSKTNFLNYADNSTNTSDGKFHGOQLNDVILTYVASTGKMRAEYAGKTWETSIT
DLGLSKNQAYNFLITSSQRWGLNQGINANGWMRTDLKGSEFTFTPEAPKTITTELEKKVEEIP
FKKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGVIISKGEPKEEITKDPINELTE
YGPETIAPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEK
EEIPFEKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGVIISKGEPKEEITKDPIN
ELTEYGPETITTPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTKYGPVKGDS
IVEKEEIPFKKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGVIISKGESKEEITK
DPINELTEYGPETITTPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTKYGPV
KGDSIVEKEEIPFKKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGVIISKGESKE
EITKDPINELTEYGPETITTPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTK
YGPVKGDSIVEKEEIPFEKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGVIISKG
ESKEEITKDPVNELTEFGGEKIPQGHKIDFDPNLPTDQTEKVPKGKPGIKNPDTGKVIEEPVD
DVIKHGPKTGTPETKTVEIPFETKREFNPKLQPGEEVRKQEGQPGSKTITTPITVNPLTGK
VGEGQPTTEEITKQPVDKIVEFGGEKPKDPKGPENPEKPSRPTHPSGPVNPNNPGLSKDRAKP
NGPVHSMKNDKVKKSKIAKESVANQEKKRAEL**PKTG**LESTQKGLIFSSIIIGIAGLMLLARR
RKN

FIG. 1

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SEQ ID NO: 2 -----
SEQ ID NO: 3 MRDKKGPVNKRVDFLSNKLNKYSIRKFTVGTASILIGSLMYLGTQQEAEAAENNIENPTT

SEQ ID NO: 2 -----
SEQ ID NO: 3 LKDNVQSKEVKIEEVTNKDTAPQGVAKSEVTSNKDTIEHEPSVKAEDISKKEDTPKEVA

SEQ ID NO: 2 -----
SEQ ID NO: 3 DVAEVQPKSSVTHNAETPKVRKARSVDEGSFDITRDSKNVVESTPITIQQKEHFEGYGSV

SEQ ID NO: 2 -----
SEQ ID NO: 3 DIQKKPTDLGVSEVTRFNVGNESNGLIGALQLKNKIDFSKDFNFKVRVANNHQSNTTGAD

SEQ ID NO: 2 -----
SEQ ID NO: 3 GWGFLFSKGNAAEYLTNGGILGDKGLVNSGGFKIDTGYIYTSSMDKTEKQAGQGYRGYGA

SEQ ID NO: 2 -----MH
SEQ ID NO: 3 FVKNDSSGNSQMVGENIDKSKTNFLNYADNSTNTSDGKFHGGRLNDVILTYVASTGKMRA

SEQ ID NO: 2 HHHHHSSGLVPRSGMKETAAAKFERQHMDSPDLGTDKAMGRDLDKGSEFTFTPEAP
SEQ ID NO: 3 EYAGKTWETSITDLGLSKNQAYNFLITSSQRWGLNQGINANGWMRTDLKGSEFTFTPEAP

SEQ ID NO: 2 KTITELEKKVEEIPFKKERKFNPDLAPGTEKVTREGQKGEKTITPTLKNPLTGVIISKG
SEQ ID NO: 3 KTITELEKKVEEIPFKKERKFNPDLAPGTEKVTREGQKGEKTITPTLKNPLTGVIISKG

SEQ ID NO: 2 EPKEEITKDPINELTEYGPETIAPGHRDEFDPKLPTGEKEEVPKGPGIKNPETGDVVRPP
SEQ ID NO: 3 EPKEEITKDPINELTEYGPETIAPGHRDEFDPKLPTGEKEEVPKGPGIKNPETGDVVRPP

SEQ ID NO: 2 VDSVTKYGPVKGDSIVEKEEIPFEKERKFNPDLAPGTEKVTREGQKGEKTITT-----
SEQ ID NO: 3 VDSVTKYGPVKGDSIVEKEEIPFEKERKFNPDLAPGTEKVTREGQKGEKTITPTLKNPL

SEQ ID NO: 2 -----
SEQ ID NO: 3 TGVIISKGEPKEEITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPKGPGIKNP

SEQ ID NO: 2 -----
SEQ ID NO: 3 TGDVVRPPVDSVTKYGPVKGDSIVEKEEIPFKKERKFNPDLAPGTEKVTREGQKGEKTIT

SEQ ID NO: 2 -----
SEQ ID NO: 3 TPTLKNPLTGEIISKGESKEEITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPKG

SEQ ID NO: 2 -----
SEQ ID NO: 3 KPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEKEEIPFKKERKFNPDLAPGTEKVTREG

SEQ ID NO: 2 -----
SEQ ID NO: 3 QKGEKTITPTLKNPLTGEIISKGESKEEITKDPINELTEYGPETITPGHRDEFDPKLPT

SEQ ID NO: 2 -----
SEQ ID NO: 3 GEKEEVPKGPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEKEEIPFEKERKFNPDLAPG

SEQ ID NO: 2 -----
SEQ ID NO: 3 TEKVTREGQKGEKTITPTLKNPLTGEIISKGESKEEITKDPINELTEFGGEKIPQGHKD

SEQ ID NO: 2 -----
SEQ ID NO: 3 IFDPNLPDQTEKVPKGPGIKNPDTGKVIEEPVDDVIKHGPKTGTPTKTVEIPFETKRE

SEQ ID NO: 2 -----
SEQ ID NO: 3 FNPKLQPGEEVKQEGQPGSKTITTPITVNPLTGEKVGEQPTTEEITKQPVDKIVEFGGE

SEQ ID NO: 2 -----
SEQ ID NO: 3 KPKDPKGPENPEKPSRPTHSPGPVNPNNPGLSKDRAPNGPVHSMKNDKVKKSKIAKES

SEQ ID NO: 2 -----
SEQ ID NO: 3 VANQEKKRAELPKTGLESTQKGLIFSSIIGIAGLMLLARRRKN

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FIG. 2

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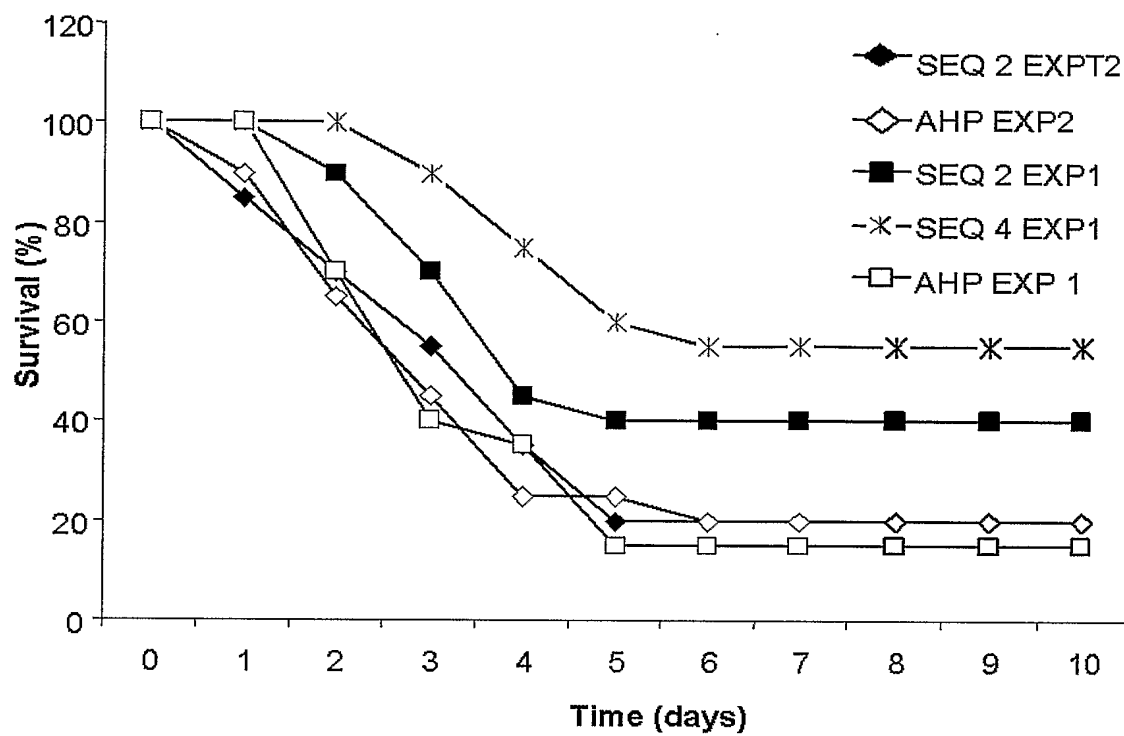


FIG. 3

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MGNKQQKEFKSFYSIRKSSLGVASVAISTLLLLMSNGEAQAAAEEETGGTNTEAQPKEAVASPTTTSEKAPETKP
 VANAVSVSNKEVEAPTSETKEAKEVKEVKAPKETKEVKPAAKATNNTYPILNQELREAIKNPAIKDKDHSAPNSR
 PIDFEMKKKDGTQQFYHYASSVKPARVIFTDSKPEIELGLQSGQFWRKFEVYEGDKKLPIKLVSYDTVKYAYIR
 FSVSNGTKAVKIVSSTHFNNKEEKYDYTLMEFAQPIYNSADKFKTEEDYKAEKLLAPYKKAKTLERQVYELNKIQ
 DKLPEKLKAEYKKKLEDTKKALDEQVKSATIEFQNVQPTNEKMTDLQDTKYVVYESVENNESMMDTFVKHPIKTG
 MLNGKKYVMVMTTNDYWKDFMVEGQVRVTISKDAKNNTRTIIFPYVEGKTLYDAIVKVHVKTIDYDGQYHVRIV
 DKEAFTKANTDKSNKEQQDNSAKKEATPATPSKPTPSPVEKESQKQDSQKDDNKQLPSVEKENDASSESQKDKT
 PATKPTKGEVESSSTTPTKVSTTQNVAKPTTASSKTTKDVVQTSAGSSEAKDSAPLQKANIKNTNDGHTQSQNN
 KNTQENKAKSLPQTGEESNKDMTLPMLALLALSSIVAFVLPKRKRKLEHHHHHH

FIG. 4

ATGCACCATCATCATCATCATCTTCTTCTGGTCTGGTGCCACGCGGTTCTGGTATGAAAGAAACCGCTGCTGCTAAA
 TTTCGAACGCCAGCACATGGACAGCCCAGATCTGGGTACCGACGACGACGACAAGGCC**ATGGGC**GAGAACTGACTTG
 AAAGGTTTCAGAGTTTACTTTTACACCAGAAGCGCCAAAAACAATAACAGAATTAGAAAAAAAAGTTGAAGAGATT
 CCATTCAAGAAAGAACGTAAATTTAATCCGGATTTAGCACCAGGGACAGAAAAAGTAACAAGAGAAGGACAAAAA
 GGTGAGAAGACAATAACGACACCAACACTAAAAAATCCATTAACTGGAGTAATTATTAGTAAAGGTGAACCAAAA
 GAAGAGATTACAAAAGATCCGATTAAATGAATTAACAGAATACGGACCTGAAACAATAGCGCCAGGTCATCGAGAC
 GAATTTGATCCGAAGTTACCAACAGGAGAGAAAAGAGGAAGTTCCAGGTAAACCAGGAATTAAGAATCCAGAAACA
 GGAGACGTAGTTAGACCGCCGGTCGATAGCGTAACAAAATATGGACCTGTAAAAGGAGACTCGATTGTAGAAAAA
 GAAGAGATTCCATTGAGAAAGAACGTAAATTTAATCCGGATTTAGCACCAGGGACAGAAAAAGTAACAAGAGAA
 GGACAAAAAGGTGAGAAGACAATAACGACAT**TAA**

FIG. 5